

YPLSF
714

CLEANUP OF
YAKIMA PESTICIDE LAB
SITE

USEPA SF



1599772

AGENDA:

- PURPOSE OF MEETING
- INTRODUCTIONS
- DISCUSSION OF THE CLEANUP OF THE
YAKIMA PESTICIDE LAB SITE
- PUBLIC COMMENT

HISTORY OF SITE

HOW THE CLEANUP WAS CONDUCTED

PRESENT CONDITIONS AT THE SITE

SITE HISTORY:

- SITE LISTED ON NPL IN 1983
 - ▶ CONCERN FOR PESTICIDES LEACHING INTO GROUNDWATER
- AFTER INVESTIGATIONS WERE CONDUCTED, EPA DECIDED TO "CLEAN CLOSE" UNDER RCRA
 - ▶ CLEAN CLOSURE MEANS NO CONTAMINANTS LEFT
- GOAL OF RCRA IS TO CLEANUP SITES SO THEY ARE PROTECTIVE OF PUBLIC HEALTH AND THE ENVIRONMENT
- LIKE SUPERFUND -- ONLY THAT SUPERFUND COVERS NON-OPERATING SITES

WHAT KIND OF A SITE IS THIS ?

- SEPTIC TANK SYSTEM USED FOR DISPOSAL OF DILUTE WASTE PESTICIDES
 - ▶ WASTES DISPOSED OF IN SEPTIC TANK SYSTEM FOR 20 YEARS
 - ▶ LOCATED IN YAKIMA AGRICULTURAL RESEARCH STATION

EXPOSURE ROUTES OF CONCERN

- ▶ SOIL
- ▶ GROUND AND SURFACE WATER

SITE INVESTIGATION:

- RCRA FACILITY ASSESSMENT (1988)
 - ▶ GATHERED INFORMATION ON RELEASES
 - WASTES WERE FROM WIDE VARIETY OF PESTICIDE MIXTURES, RINSATES AND SOLVENTS
 - 5000 GALLONS OF RINSATE
 - 250 GALLONS OF PESTICIDE SOLUTIONS

SITE INVESTIGATION (continued)

- ▶ CHARACTERIZED CONDITIONS AT SITE
 - SAMPLING IDENTIFIED PESTICIDES IN SEPTIC TANK AND SURROUNDING SOILS
 - FURTHER SOIL AND GROUNDWATER SAMPLING WERE NEEDED TO FULLY CHARACTERIZE SITE
 - ADDITIONAL GROUNDWATER SAMPLING DONE
 - RESULTS CONCLUDED GROUNDWATER QUALITY WAS EXCELLENT; LOW LIKELIHOOD OF CONTAMINATION

WORK COMPLETED

- CLOSURE PLAN APPROVED JANUARY 1990
 - ▶ NO PUBLIC COMMENTS RECEIVED
- CLOSURE PLAN SPECIFIED
 - ▶ SOURCE CONTROL -- REMOVAL OF SEPTIC TANK SYSTEM
 - ▶ REMOVAL OF CONTAMINATED SOIL ABOVE CLEANUPS LEVELS
 - ▶ ADDITIONAL SOIL AND GROUNDWATER SAMPLING
 - SOIL WAS EXCAVATED UNTIL CLEANUP LEVELS ACHIEVED - SAMPLING WAS DONE TO CONFIRM
 - 40 CUBIC YARDS OF SOIL REMOVED
 - GROUNDWATER WAS SAMPLED FOR MORE THAN ONE YEAR

SAMPLING RESULTS

- SOIL - PESTICIDES, PCBs, VOCs AND METALS BELOW CLEANUP LEVELS
- GROUNDWATER - CLEANUP LEVELS NOT EXCEEDED
- IN MOST CASES, NO CONTAMINANTS WERE DETECTED

CONCLUSIONS:

- EPA AND STATE BELIEVE NO MORE ACTION IS NEEDED AT SITE
- RCRA HAS ACHIEVED CLEAN CLOSURE
- NO ACTION UNDER CERCLA REQUIRED